

**Page Denied**

~~TOP SECRET~~M/EB 147/65  
5 May 1965  
Copy       

MEMORANDUM FOR: Chief, Forces Division, ORR

ATTENTION:                      Strategic Missiles Branch

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, Photographic Intelligence Division, CIA

SUBJECT: Krasnoyarsk Static Test Facility, USSR

REFERENCES: (a) Requirement C-RR4-81,405  
(b) CIA/PID Project 30433-4

1. This memorandum is in response to your requirement dated 13 May 1964 which requests a detailed description, mensuration data, a line drawing and a photographic enlargement of the Krasnoyarsk Static Test Facility.

2. The Krasnoyarsk Static Test Facility has been covered by 26 KEYHOLE Missions between September 1961 and March 1965.                      April 1964 is the best coverage to date and is the one on which most of the following analyses are based. All dimensions of major structures in the facility were determined by the Technical Intelligence Division, NPIC. All measurements are approximate due to mensuration problems inherent in oblique photography. An annotated enlargement of the facility                      is attached. A table of dimensions keyed to the photograph, a housing area construction chronology, and perspective sketches of major structures are enclosed to facilitate the following analyses. Numbers of structures and facilities referenced below are keyed to the annotated enlargement.

3. The site is located 21 nm east-northeast of Krasnoyarsk at 56-06N 93-26E. It lies approximately 5 nm southeast of the Yenisey River in a heavily wooded area of over 95 acres. The facility is served by an all weather road and a rail spur from the Krasnoyarsk-Dodonovo mainline. It is secured by a single fence which apparently is adequate for its location in this remote area. Electric power is taken from the main Krasnoyarsk-Dodonovo power line. Heat is provided by two plants; one in the operations area and one in the housing area. Water is probably supplied by well since facilities for pumping water from the Yenisey River could not be identified.

4. The facility is divided into three major sections; an operations area, an engineering support area and a housing area.



S-17403

~~TOP SECRET~~

TOP SECRET RUFF

SUBJECT: Krasnoyarsk Static Test Facility, USSR

M/EB 147/65

a. Operations Area: This area contains 37 buildings and structures with a total floorspace of approximately [redacted]. The largest structure is the vertical test stand (No. 55) which measures approximately 80 feet by 75 feet by 135 feet high. It has a [redacted] engine test housing which overhangs the blast deflector and a crane on the roof of the stand for lifting engines into the test position. It cannot be determined photographically whether this stand is used for testing engines only, entire missiles only, or both. However, the dimensions indicate that this stand has only a single test position. The overall configuration of the stand is illustrated in Figure 24. Approximately 750 feet north of the stand is a 195 by 120 by 40 foot high rail served checkout building (No. 56 - Figure 25) and a 130 by 45 by 45 foot high checkout support building (No. 57). Three hundred feet west of the stand is the observation building (No. 60). A buried tank (No. 63) which is approximately 75 feet in diameter lies 550 feet northeast of the stand. This tank is probably the reservoir for the deflector cooling water. A probable fuel or oxidizer pipeline approaches the stand from the east but its exact point of terminus at the stand cannot be determined. Two buried tanks (No. 49), two partially buried tanks (No. 50), and two above ground tanks (No. 43), indicate a substantial storage capacity for fuel and oxidizer. The above ground tanks have a capacity of approximately 743,160 gallons. The fuel and oxidizer receiving points are probably at Buildings No. 32, 33 and 48. Buildings No. 37, 38, 39, 40, 46 and 47 are situated along rail sidings and are apparently for receiving and storage of incoming materials. A 35 foot diameter buried tank near building No. 37 is a possible fuel oil storage tank for the heat plant (No. 34 - Figure 16). The power line which enters the area from the northwest terminates near Building No. 35. Small unidentified objects in this area are probably transformers with Building No. 35 used for power distribution. Building No. 51 (Figure 21) is 365 feet by 85 feet with a total floorspace of approximately 31,025 square feet. It has at least six stacks protruding from the eastern half of the roof indicating foundry or other high heat operations in this building. The function of Building No. 54 (Figure 23) cannot be definitely determined but its large floorspace (29,925 square feet) and 60 foot height and many windows indicate the possibility of assembly or fabrication operations. Building No. 58 (Figure 26) is rail served and in an advantageous position for packaging and shipping of previously tested hardware. Buildings No. 61 and 62 (Figures 27 and 28) are situated at the bottom of the ravine below the test stand. Although they appear to have testing type functions, there is no direct access from the main operations area at the top of the hill. The good road which approaches these buildings from the northwest intersects the main road south of the engineering support and housing areas. Building No. 31 (Figure 15) houses the administration functions of the operations area and Buildings 27, 28, 29 and 30 are for the security personnel. The three objects on the rail lines (No. 66, 67 and 25) [redacted]. The quality of the photography does not permit measurement of the width of these objects nor could a measurement be made on the object in the rail siding at No. 26. The

-2-

TOP SECRET RUFF

S-17403

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET INFO

SUBJECT: Krasnoyarsk Static Test Facility, USSR

M/EB 147/65

operations area has remained basically unchanged since first seen on [redacted] of September 1961, with only one new building (No. 58) completed by June 1964. Construction activity in the area of No. 64 is not far enough along to determine the ultimate function of this area.

b. Engineering Support Area: This area contains 14 low single story buildings with a combined floorspace of approximately 110,975 square feet. The sidewalks, small personnel entrances and the absence of large doors, vehicle hardstands, driveways or rail access, indicates an administrative or engineering function, rather than actual hardware handling operations. The buildings in this area are graphically represented in Figures 12, 13 and 14.

c. Housing Area: This area contains 97 buildings with a total floorspace of approximately 685,460 square feet. Buildings No. 10 and 12 are warehouses. A new warehouse approximately 150 by 50 feet has been constructed since April 1964 about 150 feet southwest of Building No. 12 and does not appear on the photograph. This building increases the warehouse capacity from 75,825 square feet, as shown in the table of dimensions, to 83,325 square feet. A garage (No. 13 - Figure 9), a heat plant (No. 15 - Figure 4), a possible mess hall (No. 1 - Figure 1), an administration building (No. 3 - Figure 3), and a possible recreational facility (No. 2 - Figure 2) supply support to the housing area. Fifty-three single and multiple family dwellings as well as 12 apartment buildings have a total of 540,825 square feet of floorspace. Building No. 9 was under construction in April 1964 and was completed as a barracks by August 1964. The five types of living quarters are represented in Figures 4 through 8. In contrast to the operations and engineering support areas, the housing area has undergone considerable expansion since it was first observed in mid 1961. Housing increased from 305,250 square feet to 540,825 square feet. Apartment buildings account for all of this increase. A complete construction chronology of the housing area is attached.

6. This project is considered to be complete.

Enclosures: (CIA/PID/MEB-P-226/65 thru P-229/65)

- 1 - One table of dimensions
- 2 - 28 perspective sketches
- 3 - 10 line drawings
- 4 - One Enlargement

TOP SECRET INFO

S-17403

25X1

25X1

25X1

25X1

25X1

25X1

TOP SECRET RUFF

S-17403

## TABLE OF DIMENSIONS

Annotation Number	Figure Number	Length (Feet)	Width (Feet)	Height (Feet)	Stories	Total Floor Space (Sq. Feet)	Function
<b>Housing Area</b>							
1 ("U" Shaped)	1	195	95	15	1	13,590	Possible Mess Hall
2 ( 2 Sections)	2	110	75	20	2		
		80	45	20	2	23,700	Probable Administration or Recreation
3 ("U" Shaped)	3	120	70	30	2	14,635	Administration
4 (8 Bldgs)	4	175	45	35	3	189,000	Housing
5 (3 Bldgs)	5	115	45	35	3	46,575	Housing
6 (30 Bldgs)	6	75	60	25	2	270,000	Housing
7 (12 Bldgs)	7	55	35	12	1	23,100	Housing
8 (9 Bldgs)	8	45	30	10	1	12,150	Housing
9	4	175	45	35	3	Included in No. 4 above	Housing
10	-	165	40	15	1	6,600	Storage
11	-	165	40	20	1	6,600	Storage
12	-	200	105	15	1	21,000	Storage
13	9	165	65	20	1	10,725	Storage
14	10	75	60	35	2	9,900	Probable Administration
15	11	125	55	35	-	6,985	Heat Plant
<b>Miscellaneous</b>							
(26 Bldgs)						30,900	Storage
<b>Totals</b>						540,825	
<b>Housing Area</b>						68,810	
<b>16 (Secured Area)</b>							
(2 Bldgs)		130	60	25	2	31,200	Barracks
(1 Bldg)		90	50	10	1	4,500	Probable Garage
<b>17 (Secured Area)</b>		310	210	-	-	65,100	Possible Transformer Yard
(1 Bldg)		65	30	15	1	1,950	Function Undetermined
(1 Bldg)		40	15	10	1	600	Function Undetermined
<b>18 (2 Secured Areas)</b>		195	195	-	-		Functions Undetermined
(1 Bldg)		230	230	-	-	87,325	Functions Undetermined
(1 Bldg)		50	25	20	1	1,250	Function Undetermined
(1 Bldg)		25	20	10	1	500	Function Undetermined

CIA/PID/MEB-P-226/65  
Attachment to:

M/EB 147/65

TOP SECRET RUFF

25X1

Annotation Number	Figure Number	Length (Feet)	Width (Feet)	Height (Feet)	Stories	Total Floor Space (Sq. Feet)	Function
<b>Engineering Support Area</b>							
19	12	155	40	15	1		
(2 Wings)		40	35	15	1		
20	-	70	55	25	1	9,000	Administration
(1 Wing)		50	25	20	1		
21 (9 Bldgs)	13	175	45	15	1	5,100	Storage
22	14	260	40	15	1	70,875	Possible Engineering Support
(2 Wings)		80	40	15	1		
(1 Wing)		20	40	15	1		
23	-	155	40	15	1	17,600	Possible Engineering Support
24	-	55	40	15	1	6,200	Possible Storage
Totals						2,200	Possible Storage
<b>Engineering Support Area</b>							
25	-		-	-	-	110,975	
26	-		-	-	-	-	
<b>Operations Area</b>							
27	-	95	50	15	1	4,750	Probable Security Administration
28	-	180	55	35	3	29,700	Security Barracks and/or Administration
29	-	100	50	10	1	5,000	Probable Garage
30	-	70	25	25	2	3,500	Probable Administration
31	15	165	90	30	2	27,200	Administration
32	-	80	40	15	1	3,200	Probable Fuel or Oxidizer Receiving
33	-	215	50	20	1	10,750	Probable Fuel or Oxidizer Receiving
34	16	160	50	45	-	8,000	Heat Plant
(1 Stack)			10	115	-		
35 (2 Sections)	-	55	45	10	1		
	-	65	20	10	1		
36 (2 Sections)	-	165	35	20	Unknown	3,775	Transformer Station
	-	140	50	20	Unknown	12,775	Function Undetermined

TOP SECRET RUFF

S-17403

## TOP SECRET RUFF

Notation Number	Figure Number	Length (Feet)	Width (Feet)	Height (Feet)	Stories	Total Floor Space (Sq. Feet)	Function
37 (1 Bldg)	-	35	35	12	1	1,225	Possible Bulk Fuel/Lubrication Storage
(1 Tank)	-	35 diameter					Underground Tank, Possible Fuel Oil Storage
38	-	80	50	15	1	4,000	Receiving and Storage
39	-	75	30	10	1	2,250	Receiving and Storage
40 (2 Sections)	17	140	55	30	1		
		155	30	25	1	12,350	Receiving and Storage
41	18	100	55	25	1	5,500	Function Undetermined
42	19	110	70	15	1	7,700	Function Undetermined
43 (1 Tank)	-	50 diameter		23	-	45,160 cu. ft.	
2 Sections)	-	26 diameter		17	-	9,160 cu. ft.	Tank with Possible Floating Top
(1 Tank)	-	50 diameter		23	-	45,160 cu. ft.	Total Capacity 2 Tanks 743,163 gallons
44	20	160	60	35	1	9,600	Function Undetermined
45	-	145	20	35	1	2,900	Function Undetermined
46	-	100	40	25	1	4,000	Receiving and Storage
47	-	200	45	15	1	9,000	Receiving and Storage
48	-	200	50	20	1	10,000	Probable Fuel or Oxidizer Receiving
49 (2 tanks)	-	85 diameter					Buried Tanks
50 (1 Bldg)	-	30	25	10	1	750	Probable Pump House
(2 Tanks)	-	75	36 diameter			152,670 cu. ft.	Semiburied Tanks Capacity 1,141,972 Gal.
51	21	365	85	45	1	31,025	Probable Foundry/Machine Shop
52	22	160	60	15	1	9,600	Function Undetermined
53	-	40	40	20	1	1,600	Possible Water Pump House
54	23	315	95	60	1	29,925	Probable Assembly Building
55 (Test Stand)	24	80	75	135	-	6,000	Stand Super Structure
(1 Bldg)	-	30	15	20	1	450	Test Housing
56	25	195	120	40	1	23,400	Test Support Building
57	-	130	45	45	Unknown	5,850	Check-Out Building
58	26	195	80	55	1	15,600	Check-Out Support Building
59	-	55	45	15	1	2,475	Possible Shipping Preparation
60	-	70	45	30	1	3,150	Test Support
61	27	75	50	30	1	3,750	Test Observation
62	28	75	25	30	1	1,875	Possible Components Test
63 (1 Tank)	-	75 diameter					Possible Components Test
(1 Bldg)	-	45	25	10	1	1,125	Buried Tank Water Reservoir
							Probable Pump House

TOP SECRET RUFF

S-17403

TOP SECRET RUFF

Annotation Number	Figure Number	Length (Feet)	Width (Feet)	Height (Feet)	Stories	Total Floor Space (Sq. Feet)	Function
64 (1 Tank)	-	55 diameter					Undetermined
65 (1 Tank)	-	30 diameter					Possible Well or Buried Tank
66							Object on Rail
67							Object on Rail
Totals							
Operations Area							

25X1

25X1

TOP SECRET RUFF

S-17403



KRASNOYARSK STATIC TEST FACILITY (LIQUIDS)

PERSPECTIVES

Perspective sketches of selected buildings at the housing, engineering support, and operations areas.

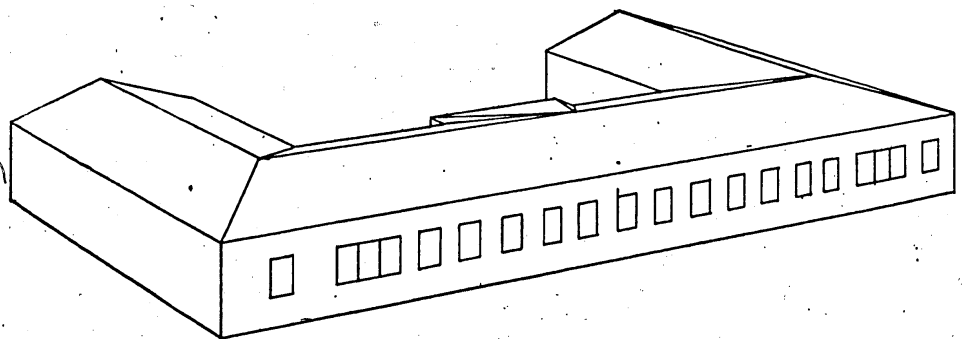
CIA/PID/MEB-P-227/65

Attachment to:

M/EB 147/65

25X1

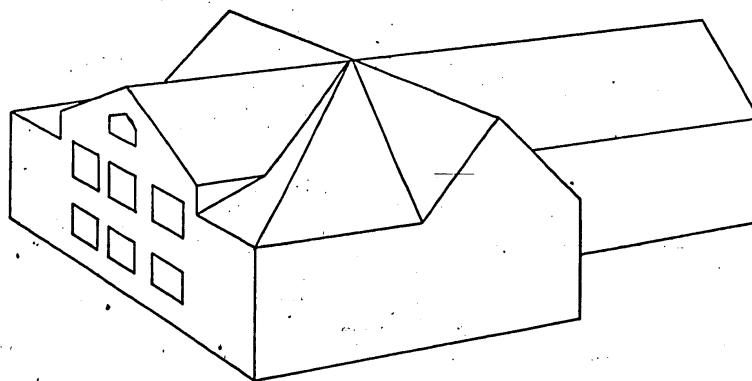
S-17403



*Bldg. No. 1*

S-17403

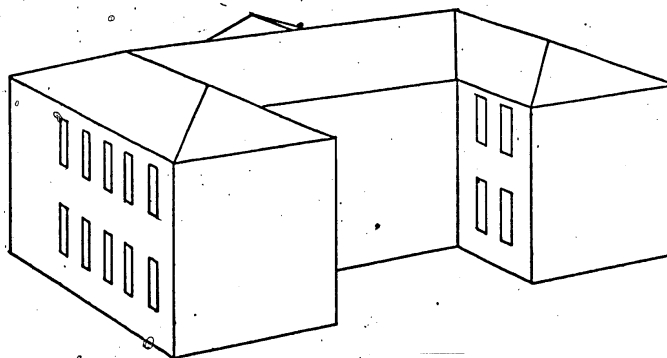
*Fig. 1*



*Bldg. No. 2*

S-17403

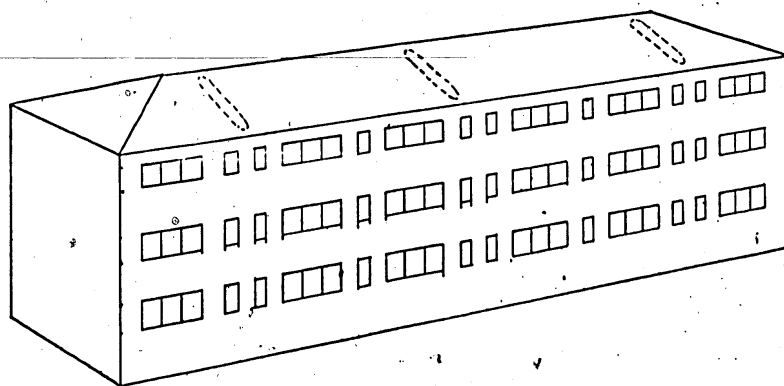
Fig. 2



Bldg. No 3

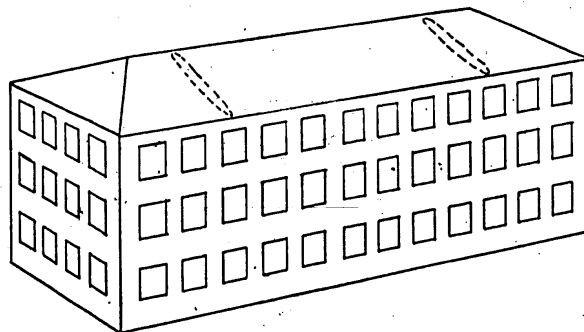
S-17403

Tp 5



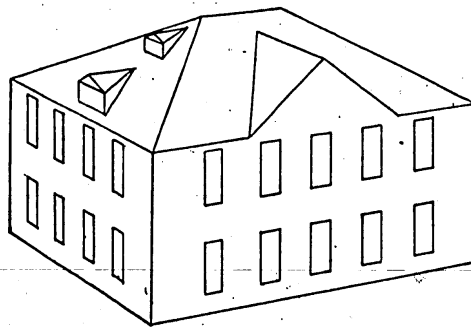
Bldg. No. 4

S-17403



Bldg. No. 5

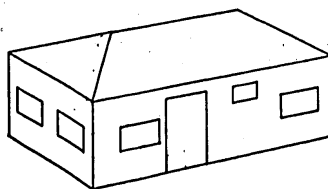
S-17403



*Bldg. No. 6*

S-17403

Fig 6

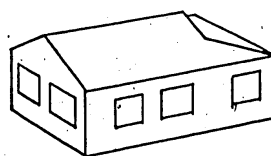


Bldg. No 7

S-17403

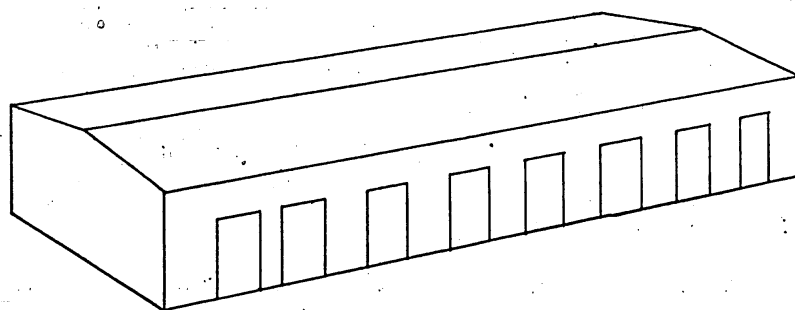
No 7





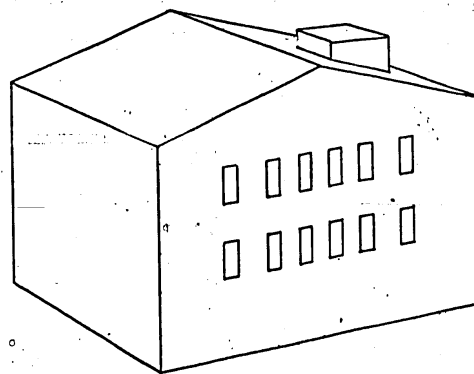
*Bldg. No. 8*

S-17403



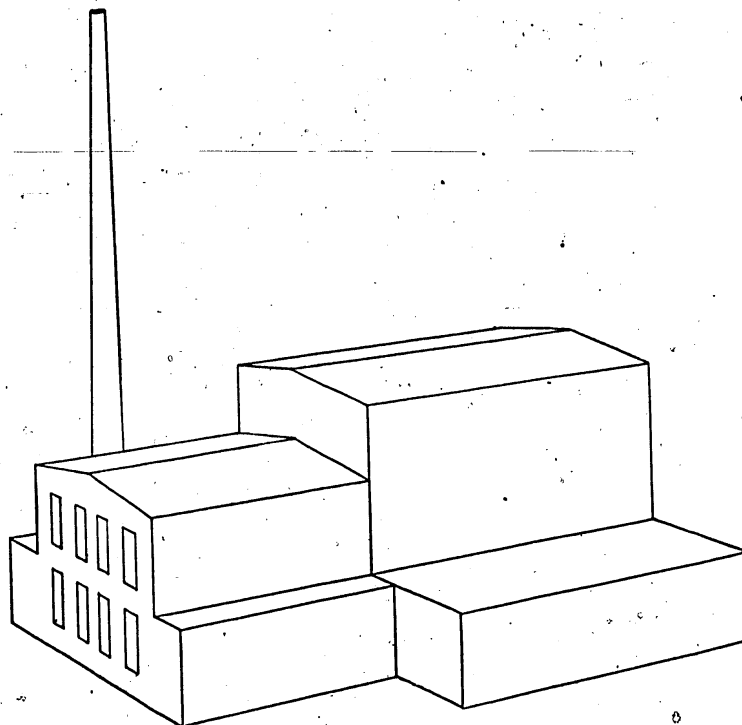
*Bldg. No. 13*

S-17403



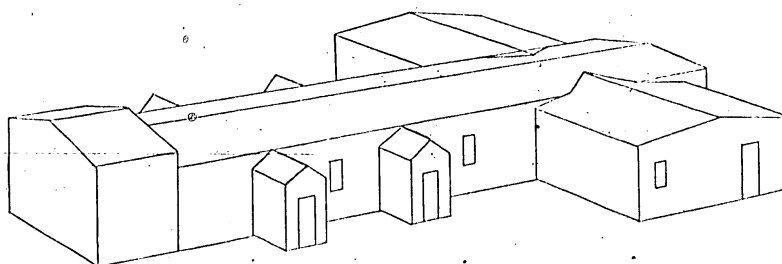
Bldg. No. 14

S-17403



Bldg. No. 15

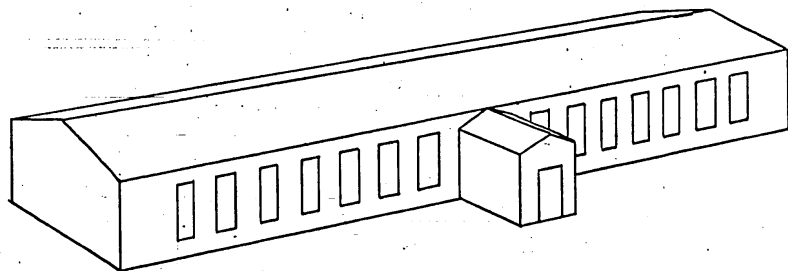
S-17403



Bldg. No. 19

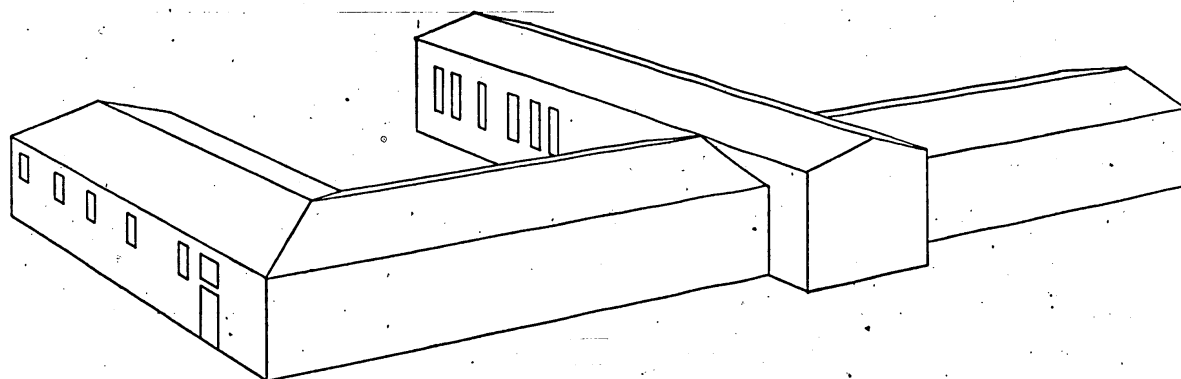
S-17403

Fig. 12



*Bldg. No. 21*

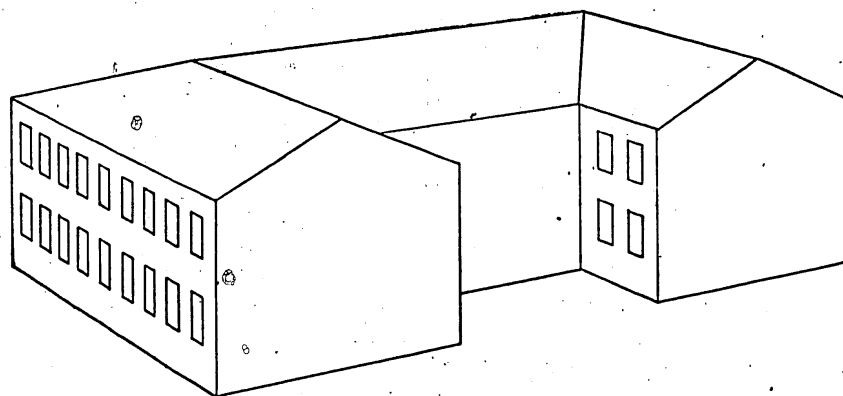
S-17403



Bldg. No. 22

S-17403

Fig. 14

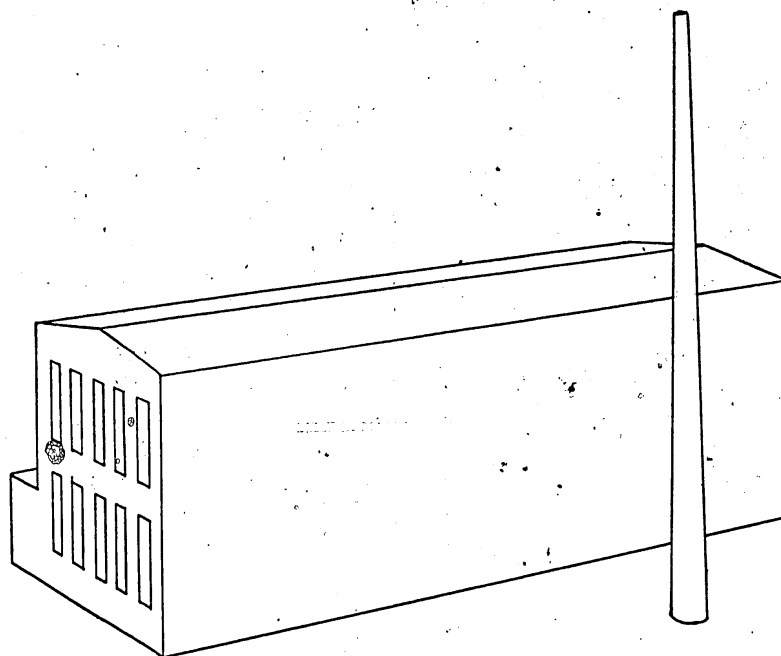


*Bldg. No. 31*

S-17403

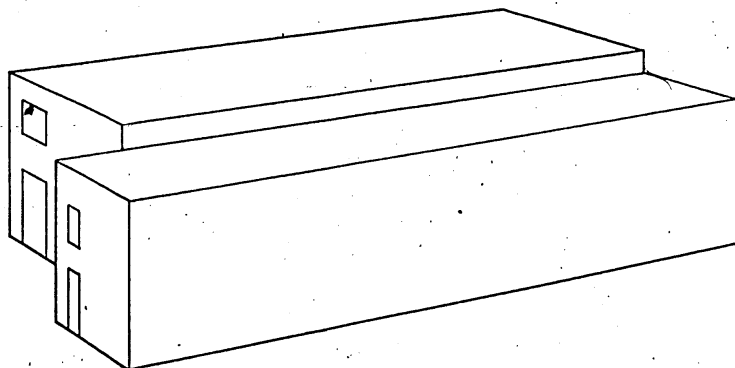
Fig. 15





*Bldg. No. 34*

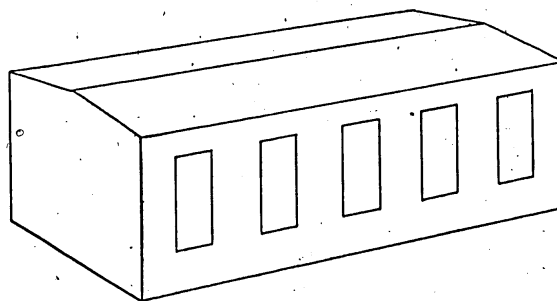
S-17403



Bldg. No 40

S-17403

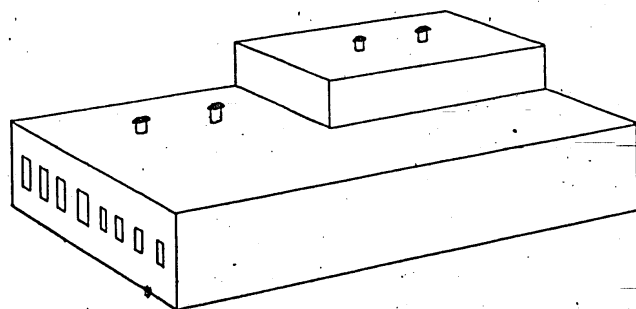
Fig 12



*Bldg. No 41*

IS-17403

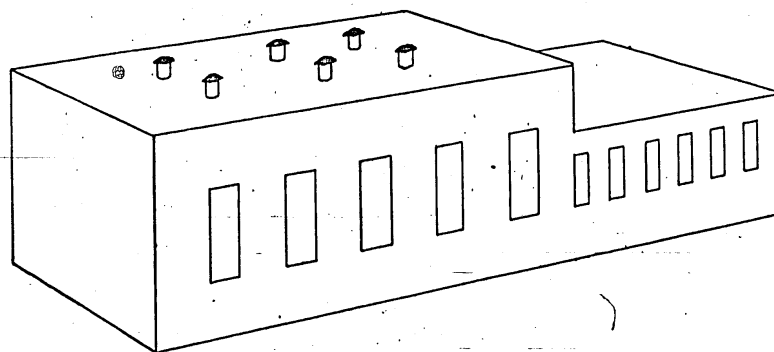
7/18



Bldg. No 42

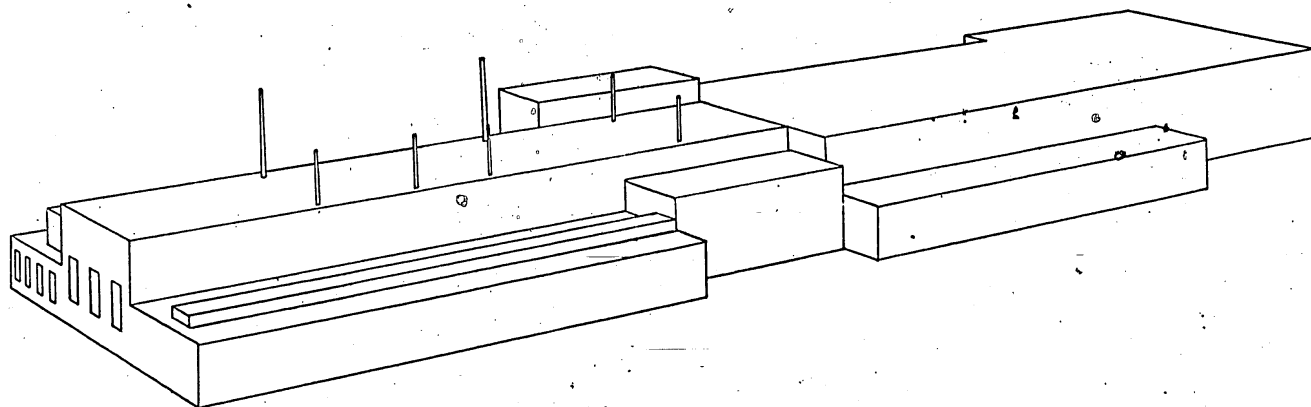
S-17403

Fig 12



Bldg. No. 44

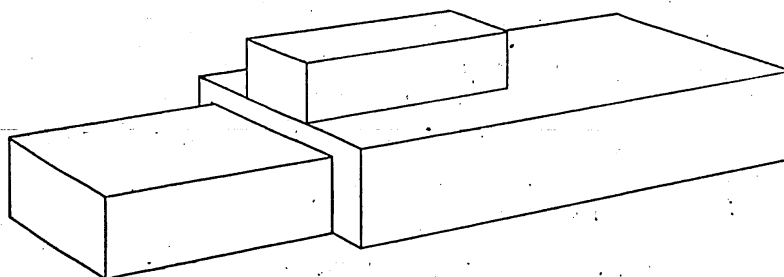
S-17403



*Bldg. No. 51*

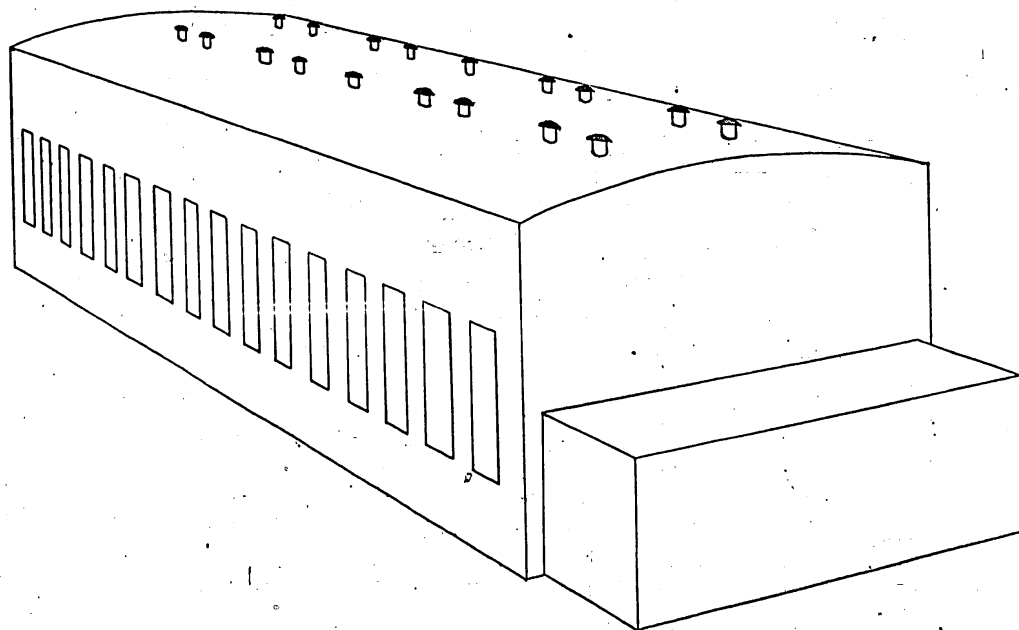
*S-174 03*

*Fig 21*



*Bldg. No. 52*

*S-17403*



Bldg. No. 54

S-17403



S-17403

*Test Stand - No. 55*

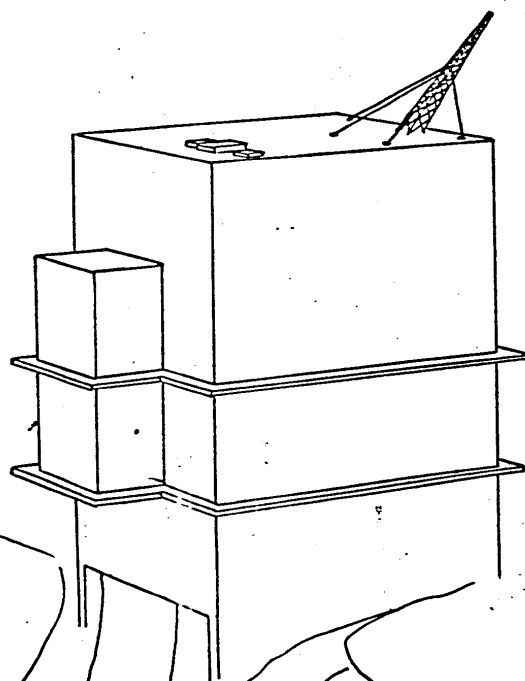
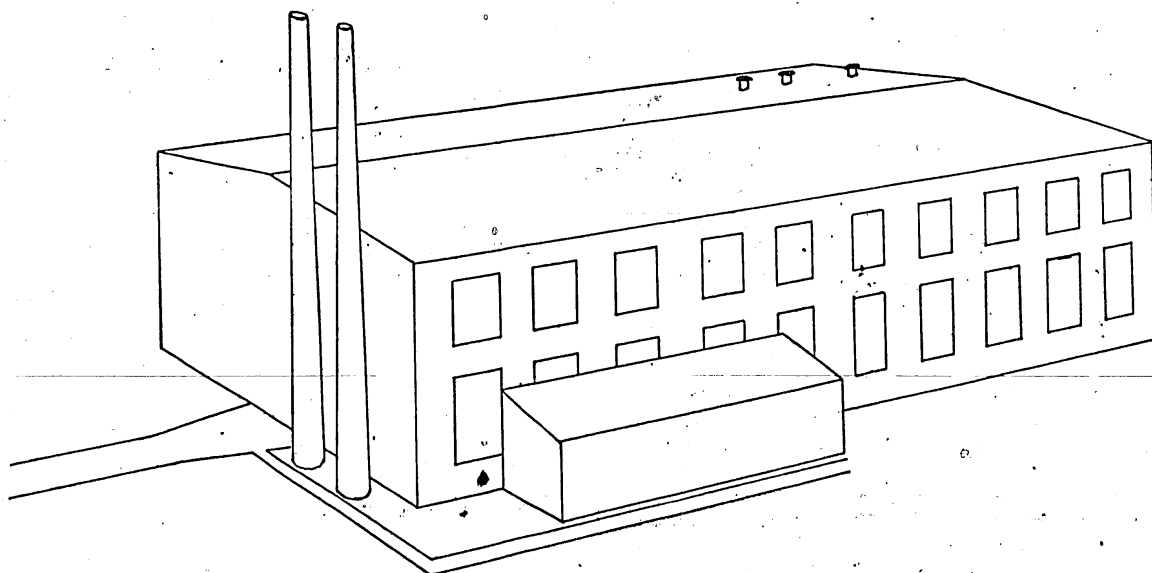
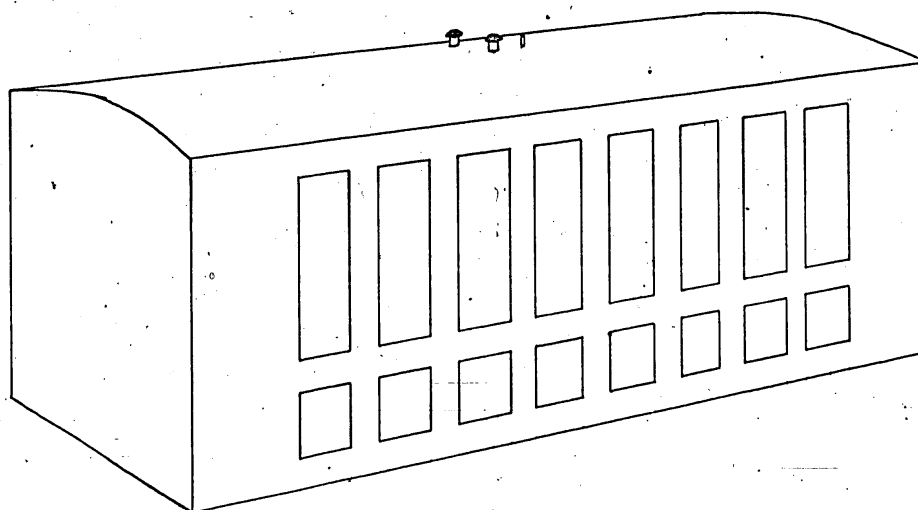


Fig. 24



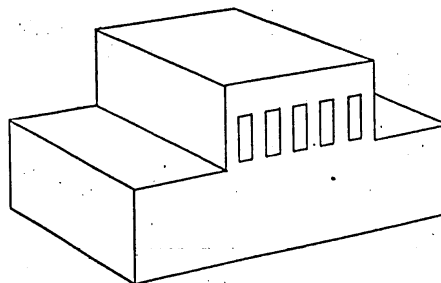
S-17403

Bldg. No. 56



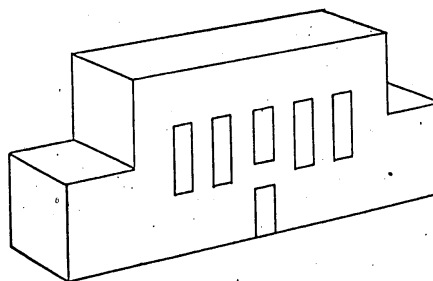
*Bldg. No 58*

*S-17403*



Bldg. No. 61

S-17403



Bldg. No 62

S-17403

KRASNOYARSK STATIC TEST FACILITY (LIQUIDS)

HOUSING AREA CONSTRUCTION CHRONOLOGY

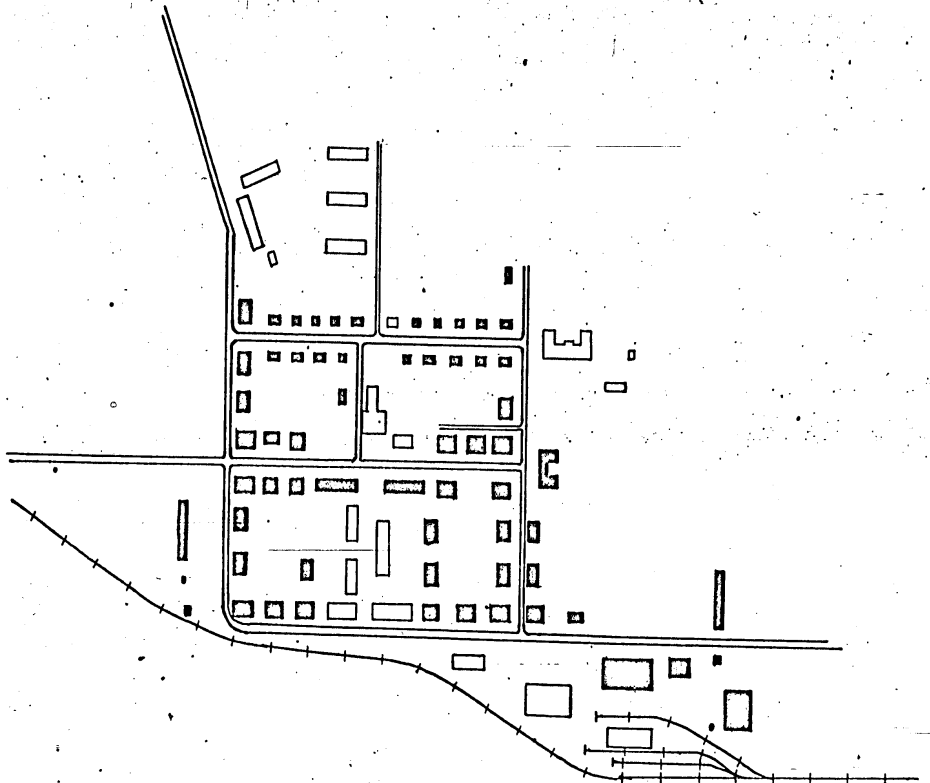
CIA/PID/MEB-P-228/65

Attachment to:

M/EB 147/65

25X1



S-17403



HOUSING AREA

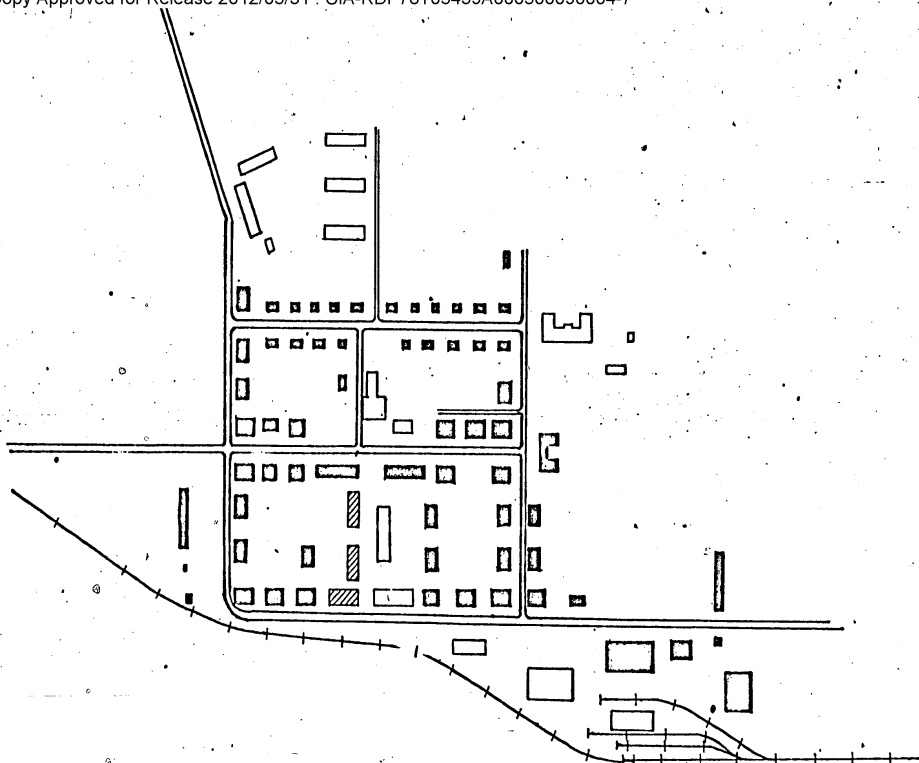


Sep. 1961

New bldg this mission   
Bldg previously identified  
or presumed present 

25X1



S-17403



HOUSING AREA



Feb 1962

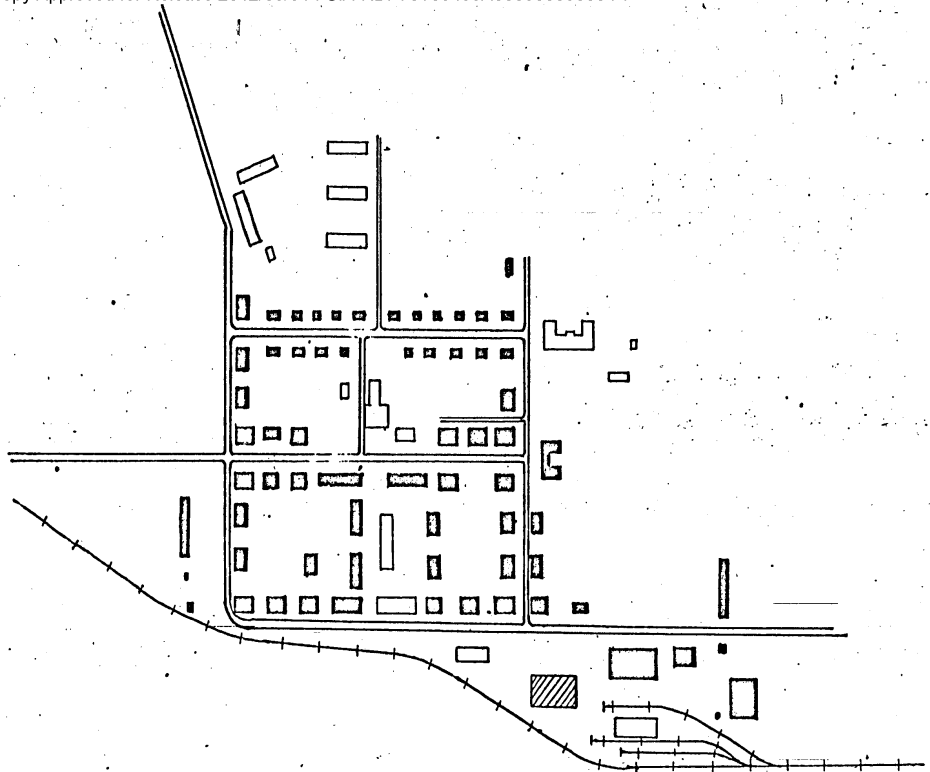
New bldg this mission   
Bldg previously identified  
or presumed present 

25X1

S-17403



F12





USING AREA

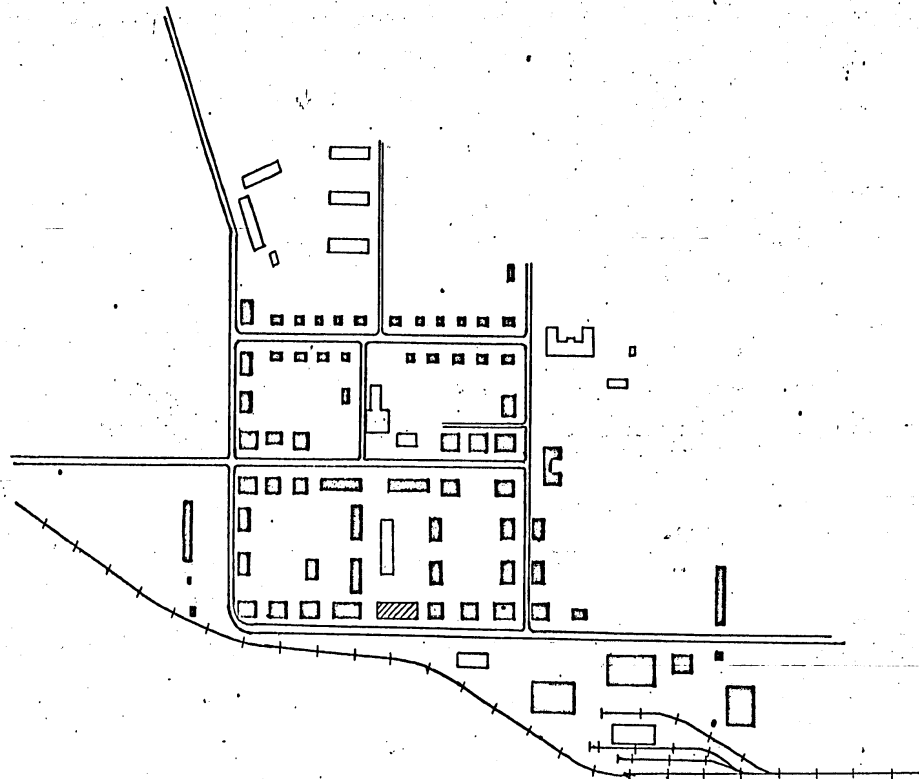
Aug. 1962

New bldg this mission   
Bldg previously identified  
or presumed present 

25X1

S-17403


Fig. 1




HOUSING AREA



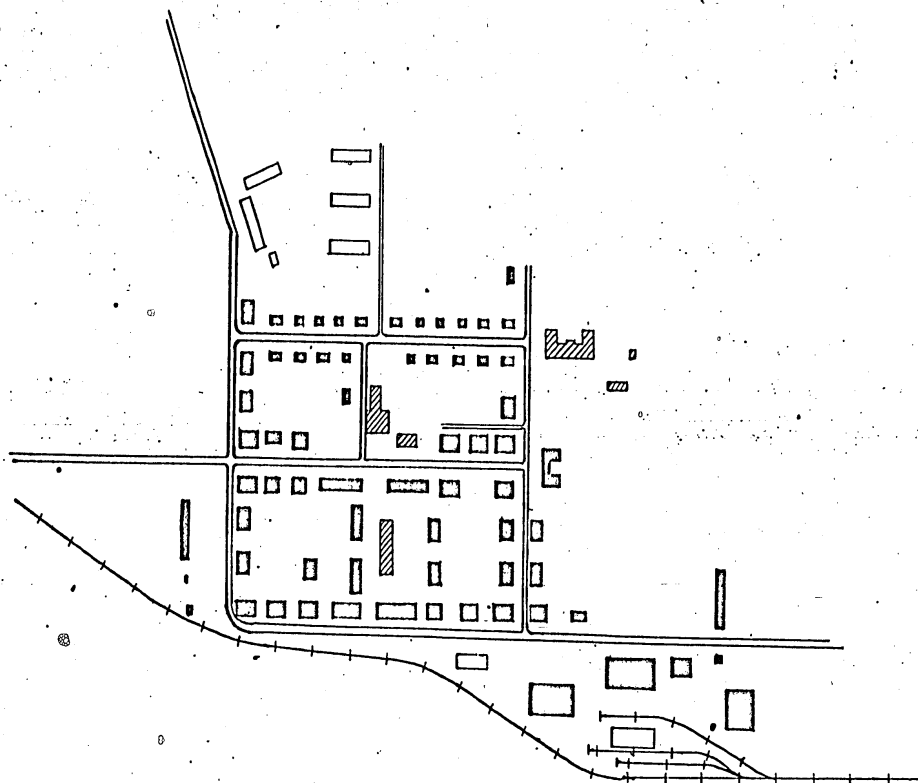
Sep. 1962

New bldg this mission 

Bldg previously identified or presumed present 



S-17403

25X1



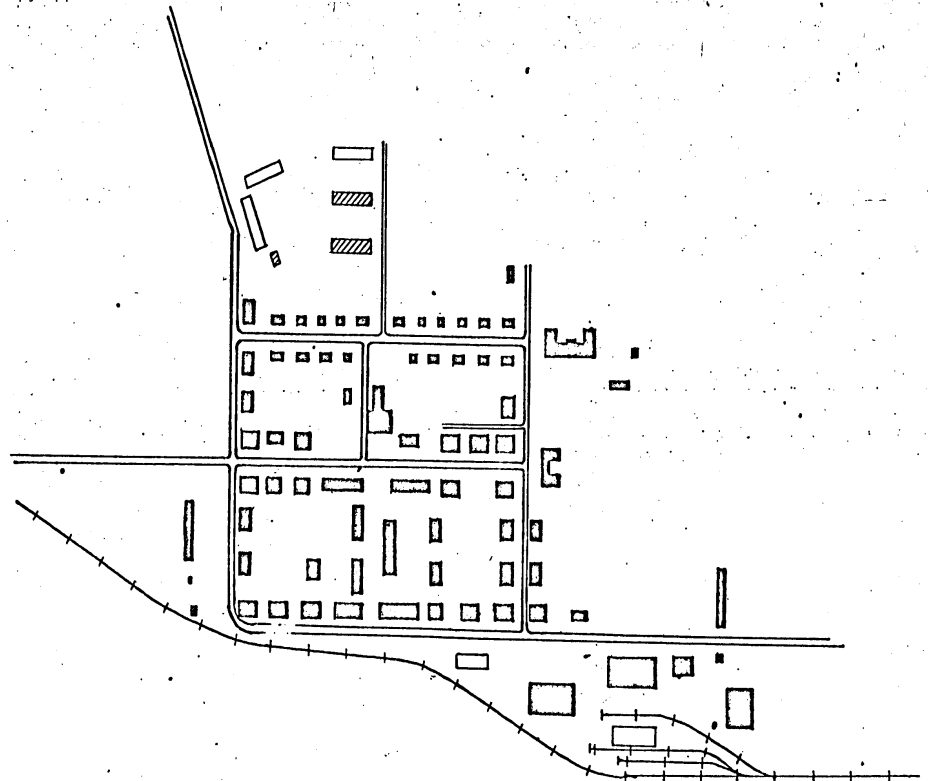
HOUSING AREA

Nov. 1962

New bldg this mission   
Bldg previously identified  
or presumed present 

25X1



S-17403



HOUSING AREA

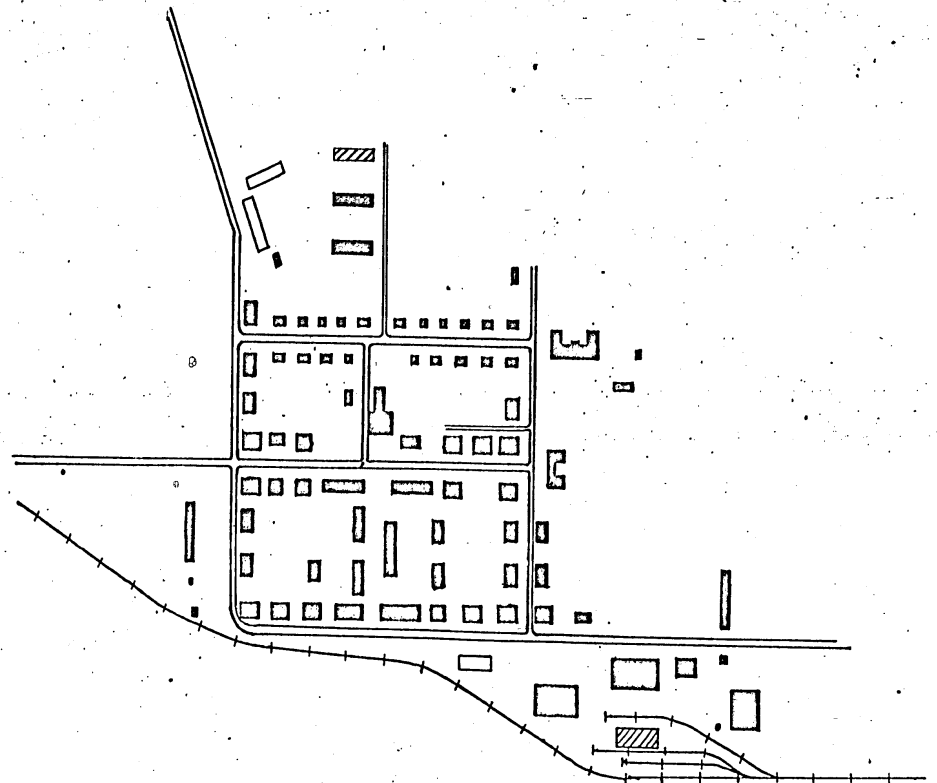


Apr. 1963

New bldg this mission   
Bldg previously identified  
or presumed present 



25X1

S-17403



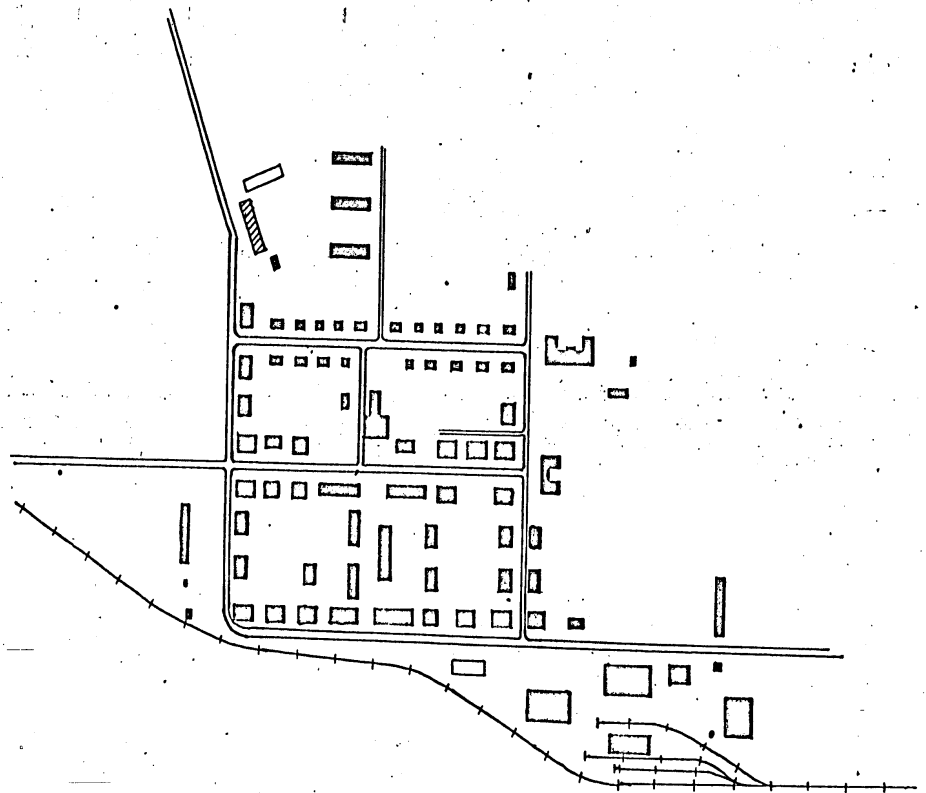
HOUSING AREA

Dec. 1963

New bldg this mission   
Bldg previously identified  
or presumed present 



25X1

S-17403



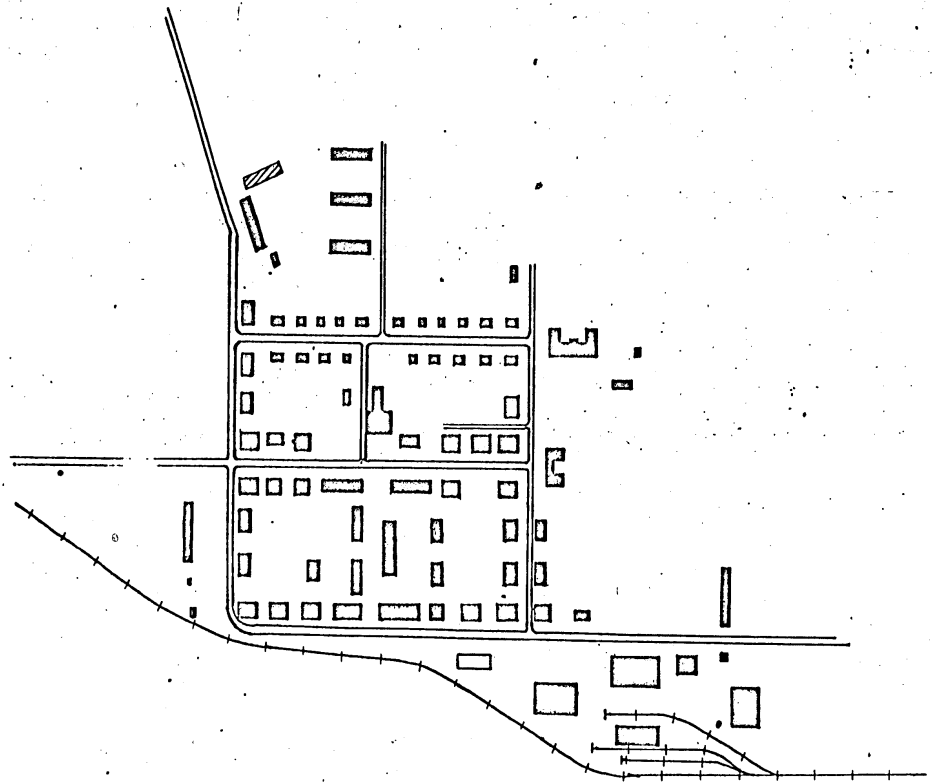
HOUSING AREA

Feb 1964

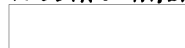
New bldg this mission   
Bldg previously identified  
or presumed present 

S-17403



25X1



HOUSING AREA

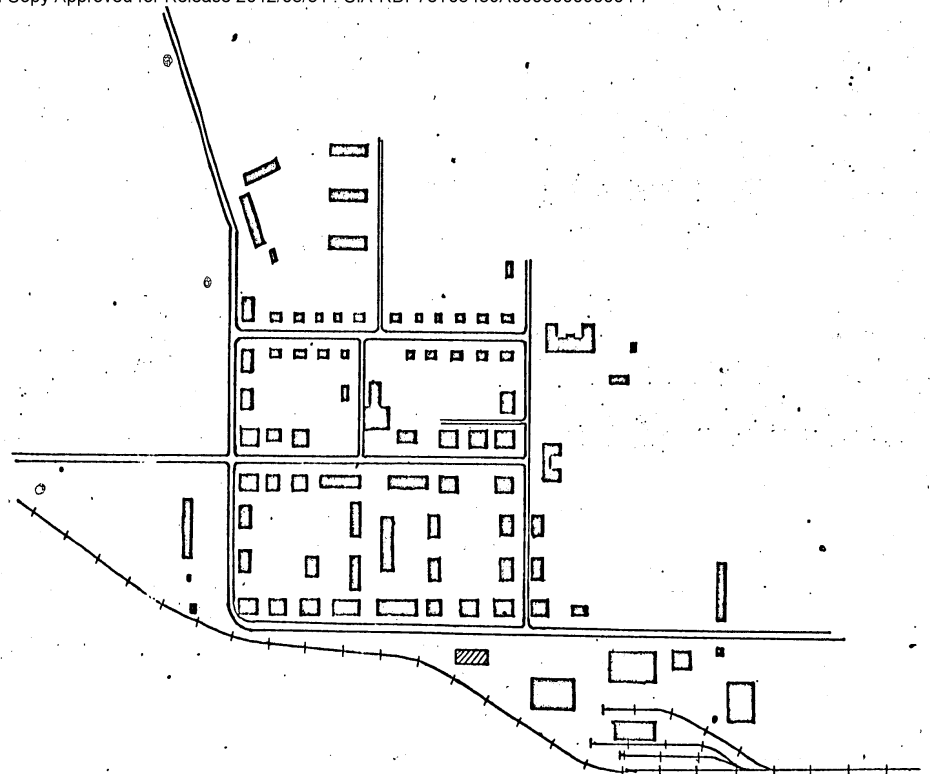


Apr. 1964

New bldg this mission   
Bldg previously identified  
or presumed present 



25X1

S-17403



HOUSING AREA

Jul. 1964

New bldg. this mission   
Bldg. previously identified  
or presumed present 

S-17403

Fig 55

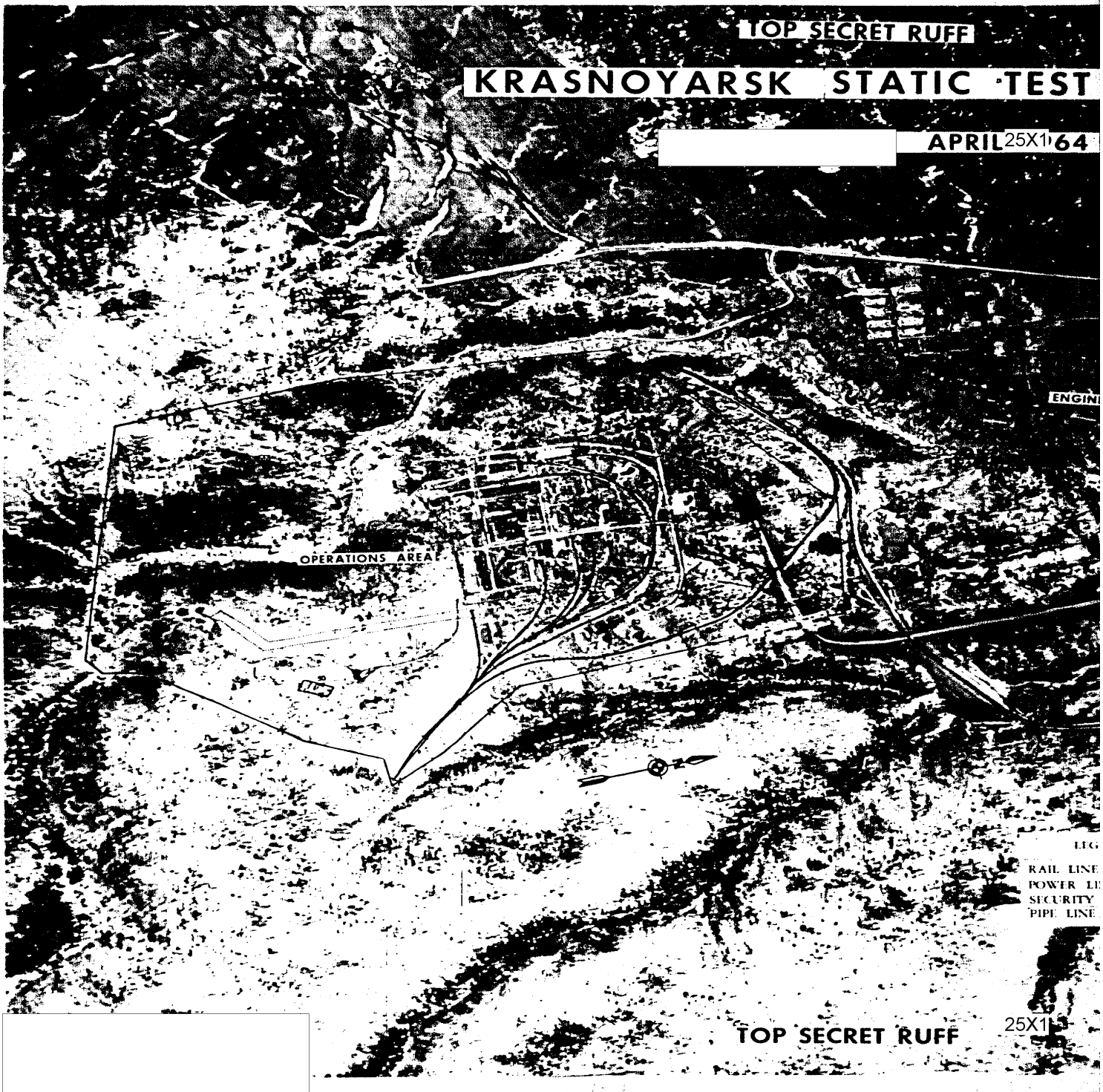
25X1



TOP SECRET RUFF

# KRASNOYARSK STATIC TEST

APRIL 25X1 64



TOP SECRET RUFF

25X1

TOP SECRET RUFF

# ARSK STATIC TEST FACILITY

APRIL 1964

25X1

25X1

25X1

ENGINEERING SUPPORT AREA

HOUSING AREA

## LEGEND

RAIL LINE ---  
POWER LINE ---  
SECURITY FENCE ---  
PIPE LINE ---

TOP SECRET RUFF